ABSTRACT

In a system where a plurality of mobile terminals shares a data of the server, upon issuing an update request data of server from the mobile terminals, without depending on the stability of the communication method used by the mobile terminals, a fair data updating becomes possible which only relies on an issuing order of the update request. In the present system, the clock module is provided to all the mobile terminals and the server having a synchronized time. The mobile terminal adds the update request issuing time obtained from the timing module to the update request data upon issuing the update request data, and the update request data is repeatedly sent until the server receives it. During the repeated transmission, an issuing time attached to the update request is identical to the original issuing time, and the server processes the data update request received within the update request reception period in an order of the issuing time.

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(57) Abstract

In a system in which a plurality of portable terminals (101-106) share data of the server (110), when each of the portable terminals issues a data update request to the server (110), the data updating scheme and method enables fair data updating that depends only on the order in which the updating requests have been issued, regardless of the stability of a communication method that each portable terminal uses. Each of the portable terminals (101-106) and the server (110) in the system has a time measuring function module for measuring synchronized time. When a portable terminal (101) issues a data update request, the portable terminal (101) repetitively transmits an update request to which the time where the data update request is issued and which is measured by the time measuring function module is added until the data update request is received by the server (110). During this repetitive transmission, the update request issuing time added is kept unchanged as it is. The server (110) processes the data update requests, received during the update request acceptance period, in order of request issuing time.

